

L9 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2010 ACS ON STN
AN 2000_715593 CAPLUS <<LOGINID:20100317>>

DN 133:252435

TI Preparation of N-heteroarylthiourea derivatives as endothelin-converting enzyme inhibitors

IN Takamura, Masahiro; Saji, Ikutaro; Ohashi, Naohito

PA Sumitomo Pharmaceuticals Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 21 pp.

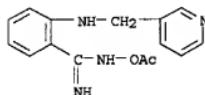
CODEN: JKXXAF

DT Patent

LA Japanese

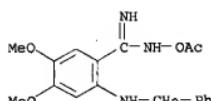
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000281659	A	20001010	JP 1999-87998	19990330 <-
PRAI	JP 1999-87998		19990330		
OS	MARPAT 133:252435				
AB	N-heteroarylthiourea derivs. of formula R1R4NC(S)NR2R3 [R1 = (un)substituted heteroaryl; R2 = (un)substituted alkyl, alkenyl, alkynyl, or cycloalkyl, acyl, (un)substituted aryl; R3, R4 = H, (un)substituted alkyl or cycloalkyl] or prodrugs or pharmaceutically acceptable salts thereof are prepared. These compds. are useful for the treatment or prevention of endothelin-originated diseases such as hypertension, arteriosclerosis, myocardial infarction, angina pectoris, heart failure, arrhythmia, cerebral vascular twitch after subarachnoid hemorrhage, kidney failure, pulmonary hypertension, bronchitic asthma, Buerger's disease, Takayasu's arteritis, Raynaud's disease, diabetes complications, endotoxin shock, blood poisoning (septicemia), and ulcer. Thus, a solution of 1-benzyl-2-aminobenzimidazole and 3,4-methylenedioxophenyl isothiocyanate in MeCN was refluxed for 5 h to give N-(3,4-methylenedioxophenyl)-N'-(1-benzylbenzimidazol-2-yl)thiourea. N-phenyl-N'-(1-benzylbenzimidazol-2-yl)thiourea showed IC50 of 0.34 μ M against endothelin-converting enzyme of rat lung tissue.				
IT	296259-42-2P	296259-50-2P	296259-58-0P		
	296259-65-9P	296259-72-8P	296259-80-8P		
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of N-heteroarylthiourea derivs. as endothelin-converting enzyme inhibitors for treatment or prevention of endothelin-originated diseases)				
RN	296259-42-2	CAPLUS			
CN	Acetic acid, [(imino[2-[(3-pyridinylmethyl)amino]phenyl]methyl]azanyl ester (CA INDEX NAME)				

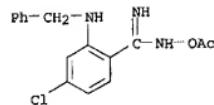


RN 296259-50-2 CAPLUS

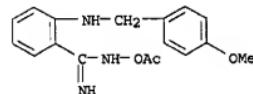
CN Acetic acid, [(4,5-dimethoxy-2-[(phenylmethyl)amino]phenyl)iminomethyl]azanyl ester (CA INDEX NAME)



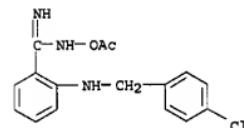
RN 296259-58-0 CAPLUS
CN Acetic acid, [(4-chloro-2-[(phenylmethyl)amino]phenyl)iminomethyl]azanyl ester (CA INDEX NAME)



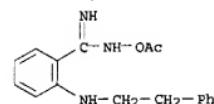
RN 296259-65-9 CAPLUS
CN Acetic acid, [imino[2-[(4-methoxyphenyl)methyl]amino]phenyl]methyl]azanyl ester (CA INDEX NAME)



RN 296259-72-8 CAPLUS
CN Acetic acid, [[2-[(4-chlorophenyl)methyl]amino]phenyl]iminomethyl]azanyl ester (CA INDEX NAME)



RN 296259-80-8 CAPLUS
CN Acetic acid, [imino[2-[(2-phenylethyl)amino]phenyl]methyl]azanyl ester (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)